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file 99911-3

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September 6,

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P. O. Box 6788
Fort Davis Station
Washington, D. C. 20020

*John
copy. R*

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Attention:

Reference:

Subject: Monthly Status Report

Gentlemen:

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Declass Review by NGA.

In accordance with requirements of the referenced contract,
we are transmitting five (5) copies of the Monthly Status
Report covering the month of July, 1966.

Yours truly,

INFORMATION SYSTEMS
MARKETING AND PLANNING DEPARTMENT

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Encs: Four copies directly to Technical Monitor
One copy enclosed

"This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, U. S. C., sections 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law."

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CONTACT DUPLICATING AND RESEAU PRINTER
AND
HIGH RESOLUTION STEP AND REPEAT PRINTER

TWENTY-FIFTH MONTHLY LETTER REPORT

August 10, 1966

Period: July 1, 1966 to August 1, 1966



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1.0 CONTACT DUPLICATING AND RESEAU PRINTER

1.1 Purpose

The overall objective of the current contract is the design, fabrication, test and delivery of a Photographic, Step and Repeat, Contact Duplicating and Reseau Printer. Prime design goals are high-speed automatic operation, variable format capability, and high resolution with minimum film distortion or damage. The delivered equipment will be suitable for operational use. The delivered equipment will be suitable for operational use. The printer will accommodate films of 70 mm to 9½" width with frame lengths up to 30 inches and will provide operation in the reseau mode and selective mode as options.

1.2 Activity of this Report Period

Demonstration tests were held at the [] facility on 6 and 7 July in the presence of the Technical Monitors and were successfully completed. Outstanding problems remaining were measurement of printed reseau line width and measurement of punch parallelism relative to the horizontal reseau lines.

The printer was shipped to Army Map Service on July 14 by [] and the printer installation was completed at the Army facility on July 19.

Acceptance tests were initiated on July 19. Initial pre-test of the printer uncovered an open circuit in the relay chassis, which

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was corrected. A freeze-up occurred next on the vacuum pump, causing slippage and subsequent burning of the drive belt. The belt was replaced, the pump freed and the system restarted. Manufacturer's recommendations were unclear, but via telephone it was recommended that initial use be intermittent until "run-in" of the pump was completed. No further failures occurred during government test from July 19 - July 21. Tests were stopped to permit the Government representatives to test the printer with classified films.

On July 26 a failure was reported on the original film rider lift-roller solenoid. A new coil has been ordered for replacement.

Initial tests of the reseau grid on the Government optical comparator were inconclusive, as to alignment between reseau pins and the reseau lines. Further tests on the pre-view and punch station indicate there may be a punching error. Tests are continuing to confirm this.

A proposal was submitted for a one-week training program to be presented at Army Map Service.

1.3 Plans for Next Period

Acceptance tests will be completed at Washington, D. C.

1.4 Problems

There are no outstanding problems.

1.5 Documentation

There was no new documentation.

1.6 Questions Outstanding

There are no outstanding questions.

2.0 HIGH RESOLUTION STEP AND REPEAT PRINTER

2.1 Purpose

The purpose of this effort is to design, fabricate, test and deliver in twenty months a high precision, step and repeat, photographic contact printer. This printer will be capable of producing photographic contact prints of the highest possible quality, resolution and acutance from roll films of width varying from 70 mm to 9½" and in pre-selected frame lengths from 5 inches up to a maximum of 30 inches.

2.2 Activity of this Report Period

There was no activity this month. The stop work period expired January 11, 1966. is still awaiting Government direction.

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